



# City of Rochelle

## Engineering Department

### Memo

**To:** Dave Plyman, City Manager

**CC:** Don Elliott, Supt. of Street Division

Chris Frye, Finance Director

Alan Cooper, City Attorney (via council packet)

**From:** Sam Tesreau, City Engineer

**Date:** November 7, 2012

**Re:** Preliminary Engineering Services Agreement for the School Avenue Bridge replacement over Kyte River (Str. No. 071-6006), necessary roadway approach modifications, and intersection reconstruction at Turkington Terrace and School Avenue

Encl: (1) Preliminary Engineering Design Services Agreement

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1. The replacement of the nearly 50 year old School Avenue bridge/box culvert structure has been a part of the long term capital improvements plan. The Engineering Design services phase for the replacement of the School Avenue box culvert structure, other related roadway improvements, professional services for necessary right of way acquisition and other preliminary drainage utility work was programmed in the FY 2012/13 budget. Wendler Engineering Services has conducted routine bridge inspections and reports, as required by the Illinois Department of Transportation, for the City of Rochelle over the past several years. Previous and current reports identify spalling of concrete, exposed reinforcement, wingwall tipping as well as deterioration of the deck slab and edges near the walkway. The existing three cell box culvert structure has a limited effective opening for conveyance of water and routinely collects debris and sediment being washed downstream within the waterway. This project has been identified as a multi-year capital improvement project and will be funded in the current FY 2012-13 budget and the remaining construction and other related items in the FY 2013-2014 budget assuming the necessary permits can be obtained within that timeframe. The new structure will be a traditional bridge, rather than the existing box culvert structure type, with updated pedestrian crossings along the north and south sides. The new bridge will help increase the effective opening and improve conveyance through this immediate Kyte River area.

2. At this time MFT funds are being considered for partial funding towards the engineering and/or construction. However, the sales tax fund will be used to pay for most or all of the expenses related to the project. If MFT funds are eventually used this agreement will suffice for the IDOT process but a resolution may be required in the future to document that expense. This agreement will need to be approved prior to developing the necessary construction plans, documents, specifications and other supporting information which will ultimately be submitted to IDOT and other applicable state and federal agencies for review and approval prior to the bid letting for the construction project. Engineering and final permit approvals are expected take approximately 6-8 months. Once construction begins it will take about 3 months to complete the project. The roadway will be closed to traffic during this time.
  
3. Please consider approval of the Engineering agreement (enclosure (1)) with Wendler Engineering Services, Inc.